

METHOD OF AUTOMATICALLY GENERATING IPv6 ADDRESS USING E.164
TELEPHONE NUMBER AND OF LOOKING UP IP ADDRESS ASSIGNED TO E.164
TELEPHONE NUMBER

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ABSTRACT OF THE DISCLOSURE

10 A method of automatically generating IPv6 unicast addresses in IPv6-based
next-generation Internet communication environments using a telephone number of a
E.164 format allocated to a telephone terminal, and a method of looking up 32-bit IPv4
addresses or 128-bit IPv6 addresses, which are previously allocated to name addresses
consisted of E.164 telephone numbers, from a DNS. An automatic creation relates to a
15 method in which an Internet host as a sender of an IP packet creates an IP address and a
search from the DNS indicates a process of looking up an IP address of a receiver. The
method automatically generates an IP address of a sender based on a telephone number and
a search of an IP address of a receiver using DNS.

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